EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	55	US-20070007320-$.DID. OR US-6719595-$.DID. OR US-5994818-$.DID. OR US-4842671-$.DID. OR US-20050199676-$.DID. OR US-6626349-$.DID. OR US-20020134813-$.DID. OR US-5604391-$.DID. OR US-5318239-$.DID. OR US-4596352-$.DID. OR US-4789093-$.DID. OR US-4792079-$.DID. OR US-4869419-$.DID. OR US-5019740-$.DID. OR US-5238170-$.DID. OR US-6173878-$.DID. OR US-7124504-$.DID. OR US-20040038598-$.DID. OR US-20040050474-$.DID. OR US-4804364-$.DID. OR US-4382535-$.DID. OR US-5709823-$.DID. OR US-3850776-$.DID. OR US-4331281-$.DID. OR US-4853053-$.DID. OR US-5437141-$.DID. OR US-6811631-$.DID. OR US-20040031554-$.DID. OR US-5490810-$.DID. OR US-6554755-$.DID. OR US-20020004441-$.DID. OR US-4394209-$.DID. OR US-5476570-$.DID. OR US-5626560-$.DID. OR US-4444614-$.DID. OR US-5774931-$.DID. OR US-5924267-$.DID. OR US-6078125-$.DID. OR US-6740197-$.DID. OR US-6745543-$.DID. OR US-6966969-$.DID. OR US-20020053405-$.DID. OR US-20030217530-$.DID. OR US-20040005431-$.DID. OR US-20050247408-$.DID. OR US-20070175190-$.DID. OR US-4867370-$.DID. OR US-	US-PGPUB; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 09:56

		5426341-$.DID. OR US-5437215-$.DID. OR US-5941443-$.DID.				
S2	3	US-2021978-$.DID. OR US-2061986-$.DID. OR US-7031987-$.DID.	US-PGPUB; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 09:58
S3	8	(("4074152") or ("4596352") or ("4646957") or ("4736881")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/17 09:59
S4	32	stroh-dieter.in. or dieterie-horst.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:10
S5	216	(delfect$3 or bend$3 or displacement) with (sonotrode or horn or vibrator) and ultrasonic near3 weld$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:25
S6	72	S5 and ratio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:26
S7	0	ep-2002014195-a$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:27
S8	2	"20050263520"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:29
S9	0	wo-2003051612-a4.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:32

S10	0	wo-200351612-a4.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:32
S11	0	wo-2003051612-a4.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:32
S12	1	wo-2003051612-a$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:33
S13	30	("4252586" | "4404052" | "4473432" | "4534818" | "4659614" | "4668316" | "4681645" | "5057182" | "5087320" | "5096532" | "5110403" | "5552013" | "5562790").PN. OR ("5707483").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/17 11:23
S14	61	(delfect$3 or bend$3) with (sonotrode or horn) and ultrasonic near3 weld$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 11:36
S15	5	((reduc$3 or decreas$3 or lower$3 or improv$3) near3 (deflect$3 or bend $3)) with (sonotrode or horn) and ultrasonic near3 weld$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 11:37
S16	16	(("20020134813") or ("3681176") or ("20030136523") or ("6818098") or ("5603444") or ("5147082")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/17 12:54
S17	105	(deflect$3 or bend$3) with (sonotrode or horn) and ultrasonic near3 weld$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 13:04

S18	1	(deflect$3 or bend$3) with (sonotrode or horn) same mm and ultrasonic near3 weld$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 10:56
S19	13	(deflect$3 or bend$3) with (sonotrode or horn) same (inch or inches or range or cm or m) and ultrasonic near3 weld$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 10:58
S20	1063	228/110.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 13:38
S21	388	S20 and (sonotrode or horn or (ultrasonic near2 welding near2 (tool or device or appartus or machine means)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 13:41
S22	10	S21 and (deflect$3 or bend $3) with (ratio or mm or cm or inch or inches or range)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 13:42
S23	1065	228/110.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/28 10:49
S24	389	S23 and (sonotrode or horn or (ultrasonic near2 welding near2 (tool or device or appartus or machine means)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/28 10:49
S25	8	S24 and (deflect$3 or bend $3) near10 (protrud$3 or protrusion or project$3 or protuberence or reinforcement)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/28 10:49

S26	6	(reduc$4 or decreas$3) near5 (deflect$3 or bend $3) with (sonotrode or horn) and ultrasonic near3 weld$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/16 11:00
S27	13	("4252586" | "4404052" | "4473432" | "4534818" | "4659614" | "4668316" | "4681645" | "5057182" | "5087320" | "5096532" | "5110403" | "5552013" | "5562790").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/16 11:12
S28	22	"5707483"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/23 10:39
S29	18	("5087320" | "5095188" | "5096532" | "5110403" | "5645681" | "5707483" | "5871605" | "5976316" | "6059923" | "6099670" | "6149755" | "6222131"). PN. OR ("6457626").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 10:42
S30	2	("0277524").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/23 10:54
S31	0	ru-277524-$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/23 10:55
S32	1	su-277524-$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/23 10:57
S33	2	("6824630").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/23 13:47

S34	9	("5785786" | "6089438" | "6156138" | "6562166" | "6585836").PN. OR ("6824630").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 13:47
S35	42	("4252586" | "4404052" | "4473432" | "4534818" | "4659614" | "4668316" | "4681645" | "5057182" | "5087320" | "5096532" | "5110403" | "5552013" | "5562790").PN. OR ("5645681").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 13:52
S36	194	(reduc$4 or decreas$3) near5 (vibrat$4 or deflect $3 or bend$3) with (sonotrode or horn) and ultrasonic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/23 14:14
S37	16	(reduc$4 or decreas$3) near5 (deflect$3 or bend $3) with (sonotrode or horn) and ultrasonic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/23 14:15
S38	1	su-277524-$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/26 16:50
S39	4	("4208001").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/26 16:55
S40	21	("2946119" | "3017792" | "3184842" | "3436005" | "3752380" | "3813006"). PN. OR ("4208001").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/26 16:58
S41	11	("3101634" | "3780926" | "4208001").PN. OR ("5699950").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/26 17:00
S42	2	("3436005").URPN.	USPAT	OR	ON	2009/06/26 17:06
S43	8	("3017792").URPN.	USPAT	OR	ON	2009/06/26 17:07

S44	10	schunk.as. and ultrasonic near2 (bonding or welding) and (node$1 or antinode$1 or anti$node$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 11:13
S45	2140	156/73.1,580.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/24 17:49
S46	86	S45 and ultrasonic near5 (weld$3 or bond$3) and reinforcement	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/24 17:50
S47	391	310/323.01,323.18.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/07 18:43
S48	496	156/580.2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/07 19:01

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S49	0	(sonotrode and ultrasonic and surface and reinforcement and curv$3).clm.	USPAT; UPAD	OR	ON	2010/07/07 18:38
S50	2	(sonotrode and ultrasonic and surface and reinforcement).clm.	USPAT; UPAD	OR	ON	2010/07/07 18:39
S51	6	(sonotrode or horn) same surface same reinforcement same (curv$3 or circular or bend $3)	USPAT; UPAD	OR	ON	2010/07/07 18:40
S52	1053	228/1.1,110.1.ccls.	USPAT; UPAD	OR	ON	2010/07/07 18:40
S53	1326	156/73.1,580.2,580.2.ccls.	USPAT; UPAD	OR	ON	2010/07/07 18:42
S54	3	(S52 or S53) and ultrasonic and (sonotrode or horn) same surface same reinforcement	USPAT; UPAD	OR	ON	2010/07/07 18:43

| S55 | 0 | (S52 or S53) and (sonotrode or horn) same surface same reinforcement same deflec$3 | USPAT; UPAD | OR | ON | 2010/07/07 18:47 |

7/8/2010 9:43:42 AM
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